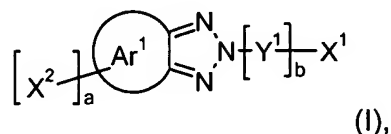


In the Claims

1. **(currently amended)** An electroluminescent device, comprising a 2H-benzotriazole compound, ~~especially a compound of the formula~~

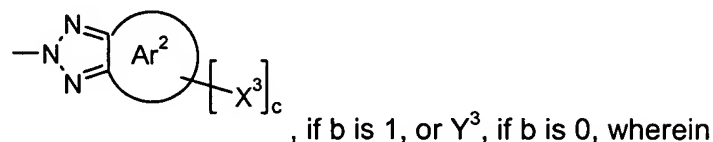


where

a is 0, or 1,

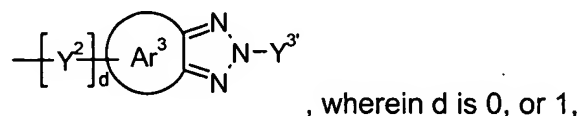
b is 0, or 1,

X¹ is a group of formula



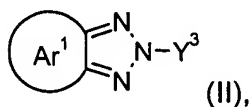
c is 0, or 1

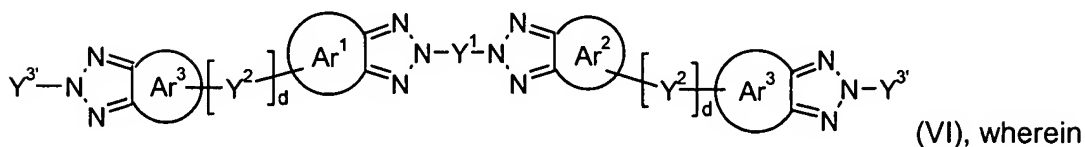
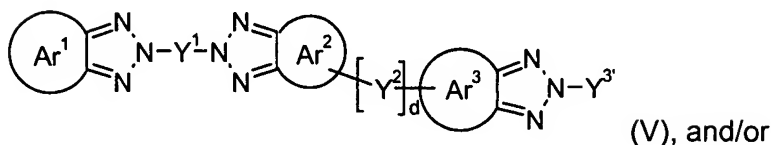
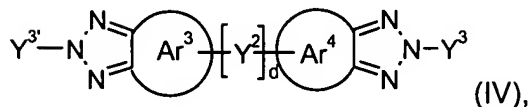
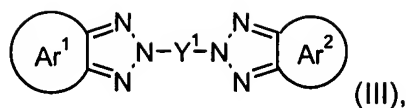
X² and X³ are independently of each other a group of formula



Ar¹, Ar², and Ar³ are independently of each other ~~aryl or heteroaryl, which can optionally be substituted, especially C₆-C₃₀aryl or a C₂-C₂₆heteroaryl, which can optionally be substituted,~~
Y¹ and Y² are independently of each other a divalent linking group, and
Y³ and Y^{3'} are independently of each other ~~aryl or heteroaryl, which can optionally be substituted, especially C₆-C₃₀aryl or a C₂-C₂₆heteroaryl, which can optionally be substituted.~~

2. **(original)** An electroluminescent device according to claim 1, comprising a 2H-benzotriazole compound of the formula





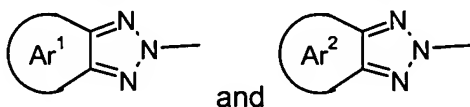
d, Ar¹, Ar², Ar³, Y¹ and Y² are defined as in claim 1,

Ar⁴ stand for C₆-C₃₀aryl or a C₂-C₂₆heteroaryl, which can optionally be substituted,

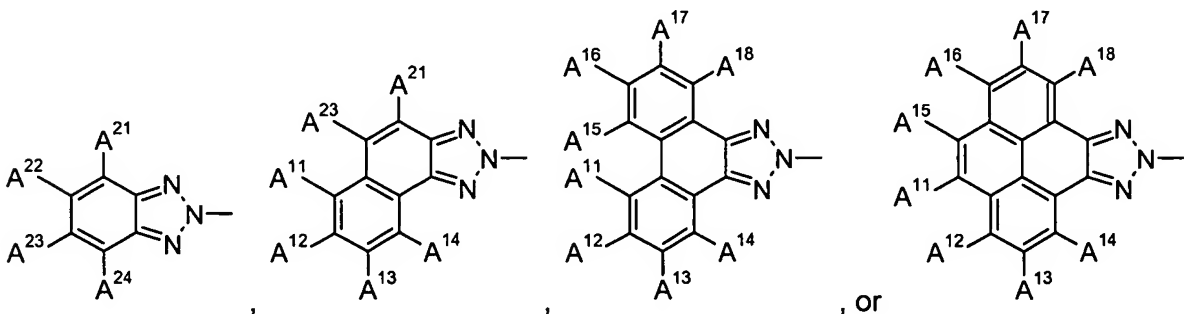
and

Y³ and Y^{3'} are independently of each other C₆-C₃₀aryl or a C₂-C₂₆heteroaryl, which can optionally be substituted.

3. (currently amended) An electroluminescent device according to claim 2, wherein



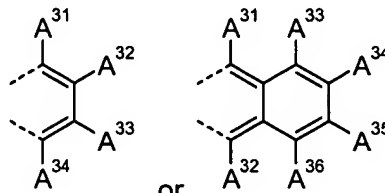
in formula II or III are independently of each other a group of formula



wherein

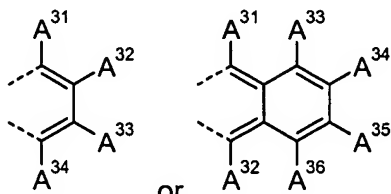
A²¹, A²², A²³, A²⁴, A¹¹, A¹², A¹³, A¹⁴, A¹⁵, A¹⁶, A¹⁷ and A¹⁸ are independently of each other H, halogen, hydroxy, C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₁-C₂₄perfluoroalkyl, C₅-C₁₂cycloalkyl, C₅-C₁₂cycloalkyl which is substituted by E and/or interrupted

by S-, -O-, or -NR²⁵-, -NR²⁵R²⁶, C₁-C₂₄alkylthio, -PR³² R³², C₅-C₁₂cycloalkoxy, C₅-C₁₂cycloalkoxy which is substituted by E, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, C₇-C₂₅aralkyl, which is substituted by E, C₇-C₂₅aralkoxy, C₇-C₂₅aralkoxy which is substituted by E, or -CO-R²⁸, or



A²² and A²³ or A¹¹ and A²³ are a group

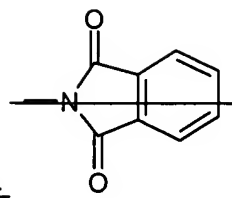
two groups A¹¹, A¹², A¹³, A¹⁴, A¹⁵, A¹⁶, A¹⁷ and A¹⁸, which are neighbouring to each other, are a



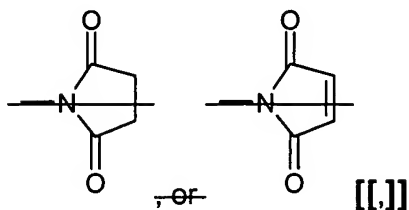
group, or, wherein A³¹, A³², A³³, A³⁴, A³⁵, A³⁶ and A³⁷ are

independently of each other H, halogen, hydroxy, C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₁-C₂₄perfluoroalkyl, C₅-C₁₂cycloalkyl, C₅-C₁₂cycloalkyl which is substituted by E and/or interrupted by S-, -O-, or -NR²⁵-, C₅-C₁₂cycloalkoxy, C₅-C₁₂cycloalkoxy which is substituted by E, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, C₇-C₂₅aralkyl, which is substituted by E, C₇-C₂₅aralkoxy, C₇-C₂₅aralkoxy which is substituted by E, or -CO-R²⁸, D is -CO-; -COO-; -S-; -SO-; -SO₂-; -O-; -NR²⁵-; -SiR³⁰R³¹-; -POR³²-; -CR²³=CR²⁴-; or -C≡C-; and E is -OR²⁹; -SR²⁹; -NR²⁵R²⁶; -COR²⁸; -COOR²⁷; -CONR²⁵R²⁶; -CN; -OCOOR²⁷; or halogen; wherein

R²³, R²⁴, R²⁵ and R²⁶ are independently of each other H; C₆-C₁₈aryl; C₆-C₁₈aryl which is substituted by C₁-C₂₄alkyl, or C₁-C₂₄alkoxy; C₁-C₂₄alkyl; or C₁-C₂₄alkyl which is interrupted by -O-; or



R^{25} and R^{26} together form a five or six membered ring, in particular



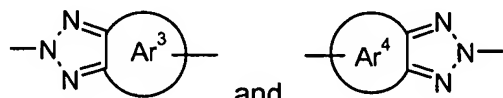
R^{27} and R^{28} are independently of each other H; C_6-C_{18} aryl; C_6-C_{18} aryl which is substituted by C_1-C_{24} alkyl, or C_1-C_{24} alkoxy; C_1-C_{24} alkyl; or C_1-C_{24} alkyl which is interrupted by $-O-$,

R^{29} is H; C_6-C_{18} aryl; C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl, or C_1-C_{24} alkoxy; C_1-C_{24} alkyl; or C_1-C_{24} alkyl which is interrupted by $-O-$,

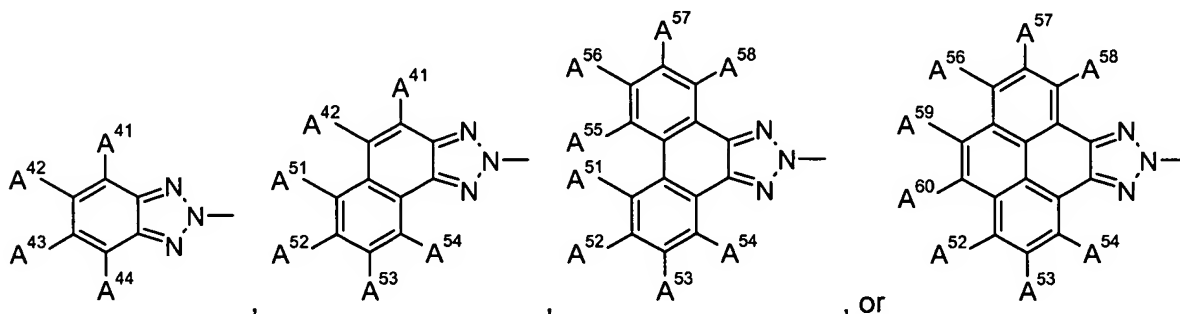
R^{30} and R^{31} are independently of each other C_1-C_{24} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl, and

R^{32} is C_1-C_{24} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl.

4. (currently amended) An electroluminescent device according to claim 2, wherein



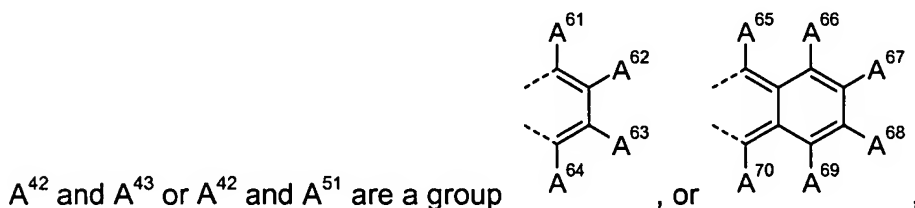
in formula IV are independently of each other a group of formula



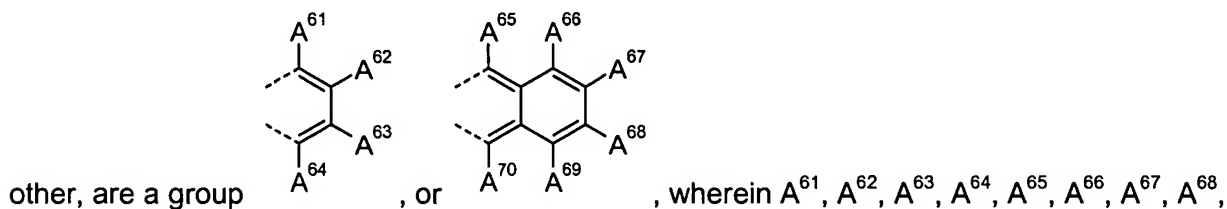
wherein

A^{41} , A^{42} , A^{43} , A^{44} , A^{51} , A^{52} , A^{53} , A^{54} , A^{55} , A^{56} , A^{57} , A^{58} , A^{59} and A^{60} are independently of each other H, halogen, hydroxy, C_1-C_{24} alkyl, C_1-C_{24} alkyl which is substituted by E and/or interrupted by D, C_1-C_{24} perfluoroalkyl, C_5-C_{12} cycloalkyl, C_5-C_{12} cycloalkyl which is substituted by E and/or interrupted by S-, $-O-$, or $-NR^{25}-$, $NR^{25}R^{26}$, C_1-C_{24} alkylthio, $-PR^{32}R^{32}$, C_5-C_{12} cycloalkoxy, C_5-

C₁₂cycloalkoxy which is substituted by E, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, C₇-C₂₅aralkyl, which is substituted by E, C₇-C₂₅aralkoxy, C₇-C₂₅aralkoxy which is substituted by E, or -CO-R²⁸, or



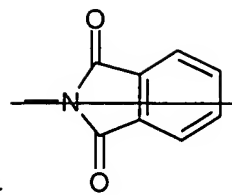
A⁴² and A⁴³ or A⁴² and A⁵¹ are a group two groups A⁵¹, A⁵², A⁵³, A⁵⁴, A⁵⁵, A⁵⁶, A⁵⁷, A⁵⁸, A⁵⁹ and A⁶⁰, which are neighbouring to each



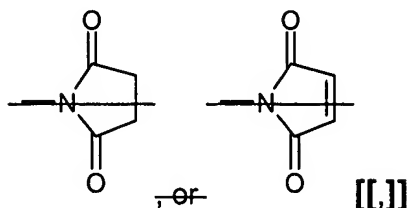
other, are a group , or , wherein A⁶¹, A⁶², A⁶³, A⁶⁴, A⁶⁵, A⁶⁶, A⁶⁷, A⁶⁸, A⁶⁹ and A⁷⁰ are independently of each other H, halogen, hydroxy, C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₁-C₂₄perfluoroalkyl, C₅-C₁₂cycloalkyl, C₅-C₁₂cycloalkyl which is substituted by E and/or interrupted by S-, -O-, or -NR²⁵-, C₅-C₁₂cycloalkoxy, C₅-C₁₂cycloalkoxy which is substituted by E, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, C₇-C₂₅aralkyl, which is substituted by E, C₇-C₂₅aralkoxy, C₇-C₂₅aralkoxy which is substituted by E, or -CO-R²⁸,

D is -CO-; -COO-; -S-; -SO-; -SO₂-; -O-; -NR²⁵-; -SiR³⁰R³¹-; -POR³²-; -CR²³=CR²⁴-; or -C≡C-; and E is -OR²⁹; -SR²⁹; -NR²⁵R²⁶; -COR²⁸; -COOR²⁷; -CONR²⁵R²⁶; -CN; -OCOOR²⁷; or halogen; wherein

R²³, R²⁴, R²⁵ and R²⁶ are independently of each other H; C₆-C₁₈aryl; C₆-C₁₈aryl which is substituted by C₁-C₂₄alkyl, or C₁-C₂₄alkoxy; C₁-C₂₄alkyl; or C₁-C₂₄alkyl which is interrupted by -O-; or



R^{25} and R^{26} together form a five or six membered ring, in particular



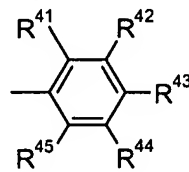
R^{27} and R^{28} are independently of each other H; C_6-C_{18} aryl; C_6-C_{18} aryl which is substituted by C_1-C_{24} alkyl, or C_1-C_{24} alkoxy; C_1-C_{24} alkyl; or C_1-C_{24} alkyl which is interrupted by $-O-$,

R^{29} is H; C_6-C_{18} aryl; C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl, or C_1-C_{24} alkoxy; C_1-C_{24} alkyl; or C_1-C_{24} alkyl which is interrupted by $-O-$,

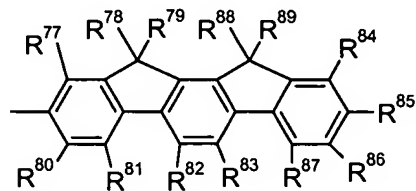
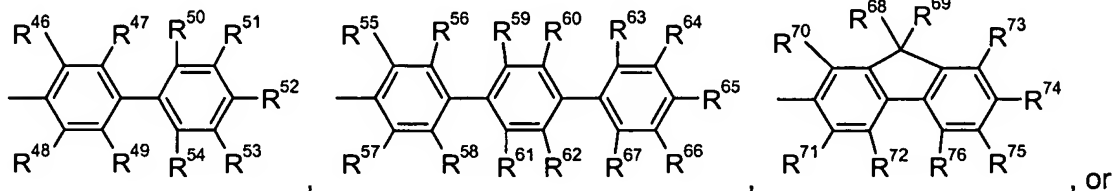
R^{30} and R^{31} are independently of each other C_1-C_{24} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl, and

R^{32} is C_1-C_{24} alkyl, C_6-C_{18} aryl, or C_6-C_{18} aryl, which is substituted by C_1-C_{24} alkyl, wherein one of the substituents A^{41} , A^{42} , A^{43} , A^{44} , A^{51} , A^{52} , A^{53} , A^{54} , A^{55} , A^{56} , A^{57} , A^{58} , A^{59} , A^{60} , A^{61} , A^{62} , A^{63} , A^{64} , A^{65} , A^{66} , A^{67} , A^{68} , A^{69} and A^{70} represents a single bond.

5. (currently amended) An electroluminescent device according to claim 2, ~~3 or 4~~ [[.]] wherein

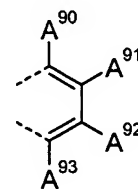


Y^3 and $Y^{3'}$ are independently of each other a group of formula

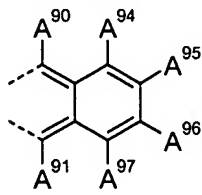


, wherein

$R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{70}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, R^{76}, R^{77}, R^{80}, R^{81}, R^{82}, R^{83}, R^{84}, R^{85}, R^{86}$, and R^{87} are independently of each other H, C_1 - C_{24} alkyl, which is optionally substituted by E and/or interrupted by D, C_1 - C_{24} alkenyl, which is optionally substituted by E, C_5 - C_{12} cycloalkyl, which is optionally substituted by E, C_5 - C_{12} cycloalkoxy, which is optionally substituted by E, C_6 - C_{18} aryl, which is optionally substituted by E, C_1 - C_{24} alkoxy, which is optionally substituted by E and/or interrupted by D, C_6 - C_{18} aryloxy, which is optionally substituted by E, C_7 - C_{18} arylalkoxy, which is optionally substituted by E, C_1 - C_{24} alkylthio, which is optionally substituted by E and/or interrupted by D, C_1 - C_{24} alkylselenium, which is optionally substituted by E and/or interrupted by D, C_2 - C_{20} heteroaryl which is substituted by E, or C_6 - C_{18} aralkyl, which is optionally substituted by E, or two groups $R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{70}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, R^{76}, R^{77}, R^{80}, R^{81}, R^{82}, R^{83}, R^{84}$,

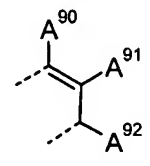


R^{85}, R^{86} , and R^{87} , which are neighbouring to each other, are a group



or , wherein $A^{90}, A^{91}, A^{92}, A^{93}, A^{94}, A^{95}, A^{96}$ and A^{97} are independently of each other H, halogen, hydroxy, C_1 - C_{24} alkyl, C_1 - C_{24} alkyl which is substituted by E and/or interrupted by D, C_1 - C_{24} perfluoroalkyl, C_5 - C_{12} cycloalkyl, C_5 - C_{12} cycloalkyl which is substituted by E and/or interrupted by S-, -O-, or -NR²⁵-, C_5 - C_{12} cycloalkoxy, C_5 - C_{12} cycloalkoxy which is substituted by E, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{24} alkenyl, C_2 - C_{24} alkynyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkoxy which is substituted by E and/or interrupted by D, C_7 - C_{25} aralkyl, C_7 - C_{25} aralkyl, which is substituted by E, C_7 - C_{25} aralkoxy, C_7 - C_{25} aralkoxy which is substituted by E, or -CO-R²⁸, $R^{68}, R^{69}, R^{78}, R^{79}, R^{88}$ and R^{89} are independently of each other C_1 - C_{18} alkyl, C_1 - C_{24} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{24} alkenyl, C_2 - C_{24} alkynyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkoxy which is substituted by E and/or interrupted by D, or C_7 - C_{25} aralkyl, or

R^{68} and R^{69} , R^{78} and R^{79} , and/or R^{88} and R^{89} form a ring, especially a five- or six-membered ring, or



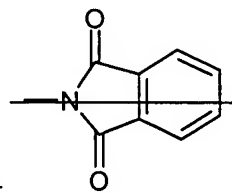
R^{68} and R^{70} , R^{69} and R^{73} , R^{77} and R^{78} and/or R^{84} and R^{89} are a group

D is $-\text{CO}-$; $-\text{COO}-$; $-\text{S}-$; $-\text{SO}-$; $-\text{SO}_2-$; $-\text{O}-$; $-\text{NR}^{25}-$; $-\text{SiR}^{30}\text{R}^{31}-$; $-\text{POR}^{32}-$; $-\text{CR}^{23}=\text{CR}^{24}-$; or $-\text{C}\equiv\text{C}-$; and

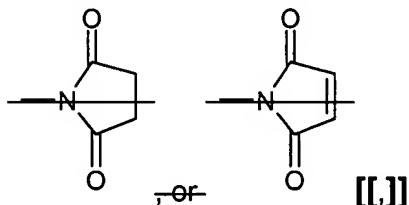
E is $-\text{OR}^{29}$; $-\text{SR}^{29}$; $-\text{NR}^{25}\text{R}^{26}$; $-\text{COR}^{28}$; $-\text{COOR}^{27}$; $-\text{CONR}^{25}\text{R}^{26}$; $-\text{CN}$; $-\text{OCOOR}^{27}$; or halogen;

wherein

R^{23} , R^{24} , R^{25} and R^{26} are independently of each other H; $\text{C}_6\text{-C}_{18}\text{aryl}$; $\text{C}_6\text{-C}_{18}\text{aryl}$ which is substituted by $\text{C}_1\text{-C}_{24}\text{alkyl}$, or $\text{C}_1\text{-C}_{24}\text{alkoxy}$; $\text{C}_1\text{-C}_{24}\text{alkyl}$; or $\text{C}_1\text{-C}_{24}\text{alkyl}$ which is interrupted by $-\text{O}-$; or



R^{25} and R^{26} together form a five or six membered ring, in particular



R^{27} and R^{28} are independently of each other H; $\text{C}_6\text{-C}_{18}\text{aryl}$; $\text{C}_6\text{-C}_{18}\text{aryl}$ which is substituted by $\text{C}_1\text{-C}_{24}\text{alkyl}$, or $\text{C}_1\text{-C}_{24}\text{alkoxy}$; $\text{C}_1\text{-C}_{24}\text{alkyl}$; or $\text{C}_1\text{-C}_{24}\text{alkyl}$ which is interrupted by $-\text{O}-$,

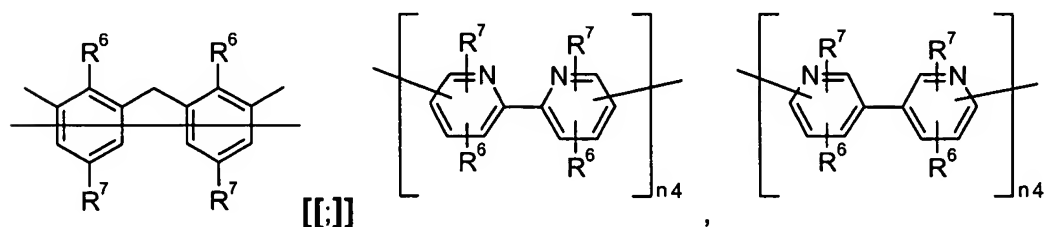
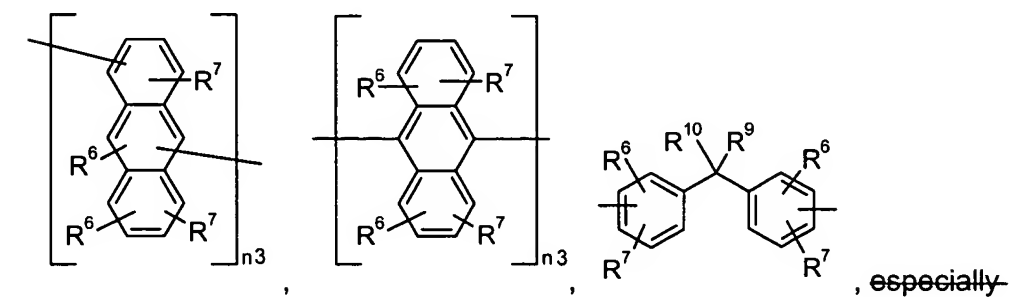
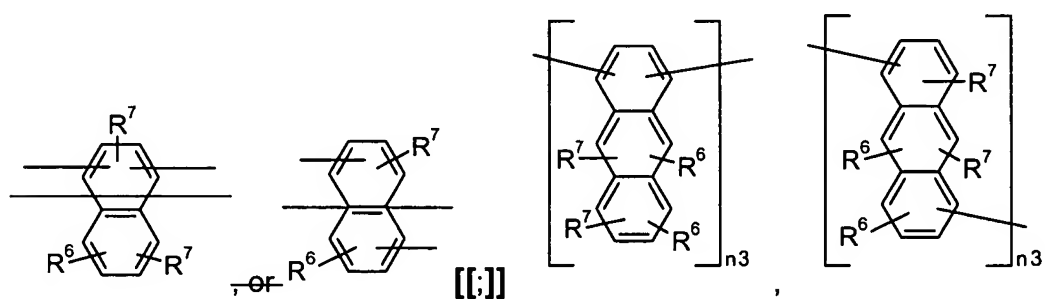
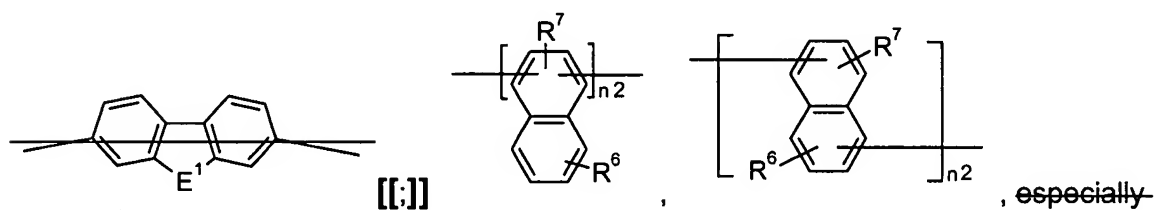
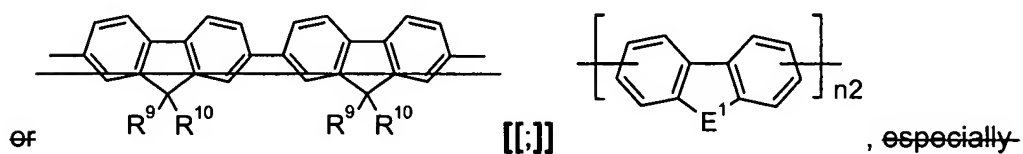
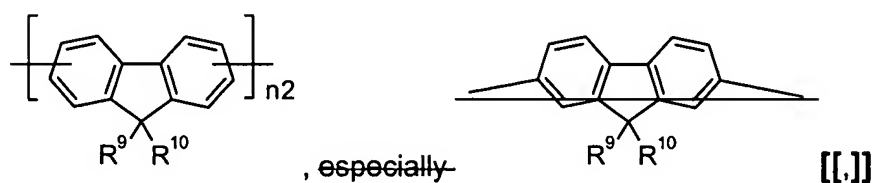
R^{29} is H; $\text{C}_6\text{-C}_{18}\text{aryl}$; $\text{C}_6\text{-C}_{18}\text{aryl}$, which is substituted by $\text{C}_1\text{-C}_{24}\text{alkyl}$, or $\text{C}_1\text{-C}_{24}\text{alkoxy}$; $\text{C}_1\text{-C}_{24}\text{alkyl}$; or $\text{C}_1\text{-C}_{24}\text{alkyl}$ which is interrupted by $-\text{O}-$,

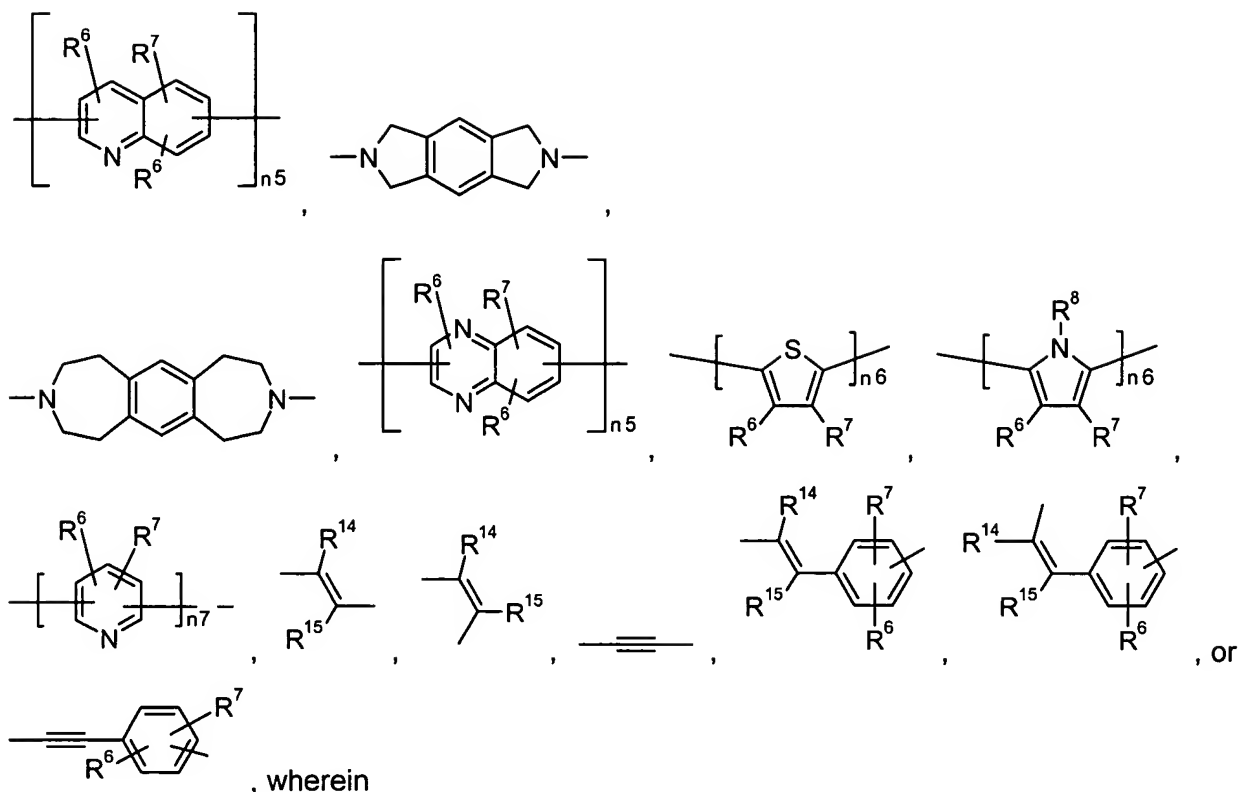
R^{30} and R^{31} are independently of each other $\text{C}_1\text{-C}_{24}\text{alkyl}$, $\text{C}_6\text{-C}_{18}\text{aryl}$, or $\text{C}_6\text{-C}_{18}\text{aryl}$, which is substituted by $\text{C}_1\text{-C}_{24}\text{alkyl}$, and

R^{32} is $\text{C}_1\text{-C}_{24}\text{alkyl}$, $\text{C}_6\text{-C}_{18}\text{aryl}$, or $\text{C}_6\text{-C}_{18}\text{aryl}$, which is substituted by $\text{C}_1\text{-C}_{24}\text{alkyl}$.

6. (currently amended) An electroluminescent device according to claim 1 ~~any of claims 1 to 5~~, wherein

Y^1 and Y^2 are independently of each other





$n_1, n_2, n_3, n_4, n_5, n_6$ and n_7 are 1, 2, or 3, in particular 1

E^1 is -S-, -O-, or -NR^{25'}-, wherein R^{25'} is C₁-C₂₄alkyl, or C₆-C₁₀aryl,

R⁶ and R⁷ are independently of each other H, halogen, hydroxy, C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₁-C₂₄perfluoroalkyl, C₅-C₁₂cycloalkyl, C₅-C₁₂cycloalkyl which is substituted by E and/or interrupted by S-, -O-, or -NR²⁵-, C₅-C₁₂cycloalkoxy, C₅-C₁₂cycloalkoxy which is substituted by E, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, C₇-C₂₅aralkyl, which is substituted by E, C₇-C₂₅aralkoxy, C₇-C₂₅aralkoxy which is substituted by E, or -CO-R²⁸,

R⁸ is C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₆-C₂₄aryl, or C₇-C₂₅aralkyl,

R⁹ and R¹⁰ are independently of each other C₁-C₂₄alkyl, C₁-C₂₄alkyl which is substituted by E and/or interrupted by D, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by E, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by E, C₂-C₂₄alkenyl, C₂-C₂₄alkynyl, C₁-C₂₄alkoxy, C₁-C₂₄alkoxy which is substituted by E and/or interrupted by D, or C₇-C₂₅aralkyl, or

R⁹ and R¹⁰ form a ring, especially a five- or six-membered ring,

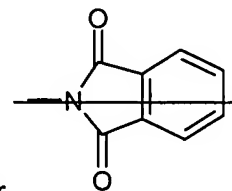
R^{14} and R^{15} are independently of each other H, C_1 - C_{24} alkyl, C_1 - C_{24} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, or C_2 - C_{20} heteroaryl which is substituted by E,

D is $-\text{CO}-$, $-\text{COO}-$, $-\text{S}-$, $-\text{SO}-$, $-\text{SO}_2-$, $-\text{O}-$, $-\text{NR}^{25}-$, $-\text{SiR}^{30}\text{R}^{31}-$, $-\text{POR}^{32}-$, $-\text{CR}^{23}=\text{CR}^{24}-$, or $-\text{C}\equiv\text{C}-$, and

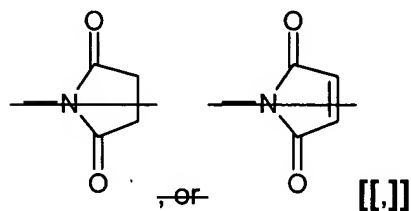
E is $-\text{OR}^{29}$, $-\text{SR}^{29}$, $-\text{NR}^{25}\text{R}^{26}$, $-\text{COR}^{28}$, $-\text{COOR}^{27}$, $-\text{CONR}^{25}\text{R}^{26}$, $-\text{CN}$, $-\text{OCOOR}^{27}$, or halogen,

wherein

R^{23} , R^{24} , R^{25} and R^{26} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{24} alkyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkyl, or C_1 - C_{24} alkyl which is interrupted by $-\text{O}-$, or



R^{25} and R^{26} together form a five or six membered ring, in particular



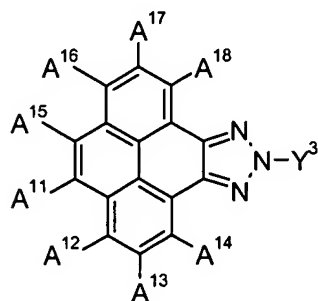
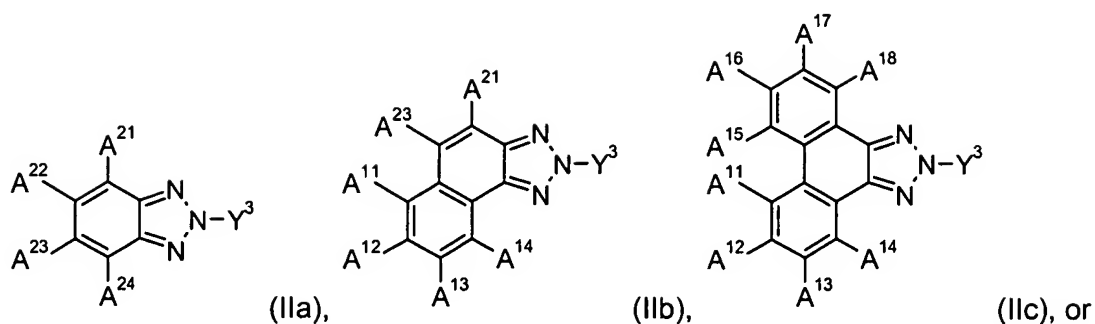
R^{27} and R^{28} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{24} alkyl, or C_1 - C_{24} alkoxy, C_1 - C_{24} alkyl, or C_1 - C_{24} alkyl which is interrupted by $-\text{O}-$,

R^{29} is H, C_6 - C_{18} aryl, C_6 - C_{18} aryl, which is substituted by C_1 - C_{24} alkyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkyl, or C_1 - C_{24} alkyl which is interrupted by $-\text{O}-$,

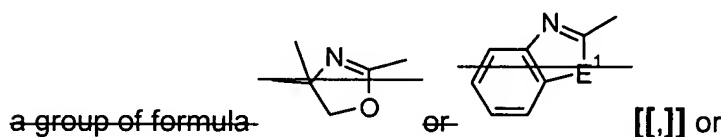
R^{30} and R^{31} are independently of each other C_1 - C_{24} alkyl, C_6 - C_{18} aryl, or C_6 - C_{18} aryl, which is substituted by C_1 - C_{24} alkyl, and

R^{32} is C_1 - C_{24} alkyl, C_6 - C_{18} aryl, or C_6 - C_{18} aryl, which is substituted by C_1 - C_{24} alkyl.

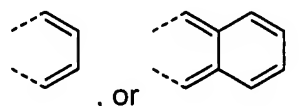
7. (currently amended) An electroluminescent device according to claim 2, ~~3~~, or ~~5~~[[,]] wherein the 2H-benzotriazole compound is a compound of formula



A^{21} , A^{22} , A^{23} and A^{24} are independently of each other hydrogen, halogen, C_1 - C_{24} alkyl, C_1 - C_{24} perfluoroalkyl, C_6 - C_{18} aryl, $-NR^{25}R^{26}$, $-\text{CONR}^{25}R^{26}$, or $-\text{COOR}^{27}$, or C_2 - C_{10} heteroaryl, especially

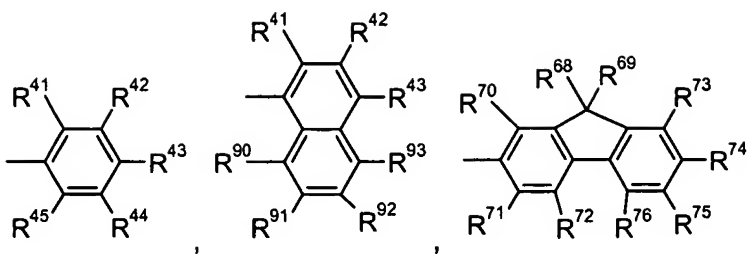


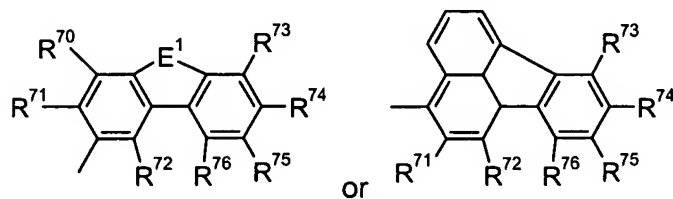
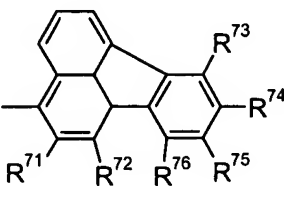
A^{22} and A^{23} or A^{11} and A^{23} are a group of formula



A^{11} , A^{12} , A^{13} , A^{14} , A^{15} , A^{16} , A^{17} , and A^{18} are independently of each other H, CN, C_1 - C_{24} alkyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkylthio, C_6 - C_{18} aryl, $-NR^{25}R^{26}$, $-\text{CONR}^{25}R^{26}$, or $-\text{COOR}^{27}$, or C_2 - C_{10} heteroaryl, wherein

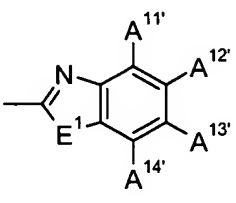
R^{25} and R^{26} are independently of each other H, C_6 - C_{18} aryl, C_7 - C_{18} aralkyl, or C_1 - C_{24} alkyl, R^{27} is C_1 - C_{24} alkyl, and

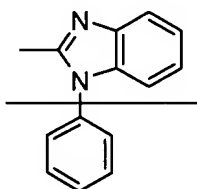
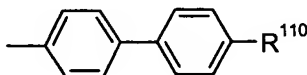
Y³ is a group of formula ,

 or , wherein

R⁴¹ is hydrogen, C₁-C₂₄alkoxy, or OC₇-C₁₈aralkyl,

R⁴² is hydrogen, or C₁-C₂₄alkyl,

R⁴³ is hydrogen, halogen, -CONR²⁵R²⁶, -COOR²⁷, ,

especially  or , wherein

E¹ is -S-, -O-, or -NR^{25'}, wherein R^{25'} is C₁-C₂₄alkyl, or C₆-C₁₀aryl,


R¹¹⁰ is H, CN, C₁-C₂₄alkyl, C₁-C₂₄alkoxy, C₁-C₂₄alkylthio, -NR²⁵R²⁶, -CONR²⁵R²⁶, or -COOR²⁷, or

R⁴² and R⁴³ are a group of formula , or ,

R⁴⁴ is hydrogen, or C₁-C₂₄alkyl,

R⁴⁵ is hydrogen, or C₁-C₂₄alkyl,

A^{11'}, A^{12'}, A^{13'}, and A^{14'} are independently of each other H, CN, C₁-C₂₄alkyl, C₁-C₂₄alkoxy, C₁-C₂₄alkylthio, -NR²⁵R²⁶, -CONR²⁵R²⁶, or -COOR²⁷,

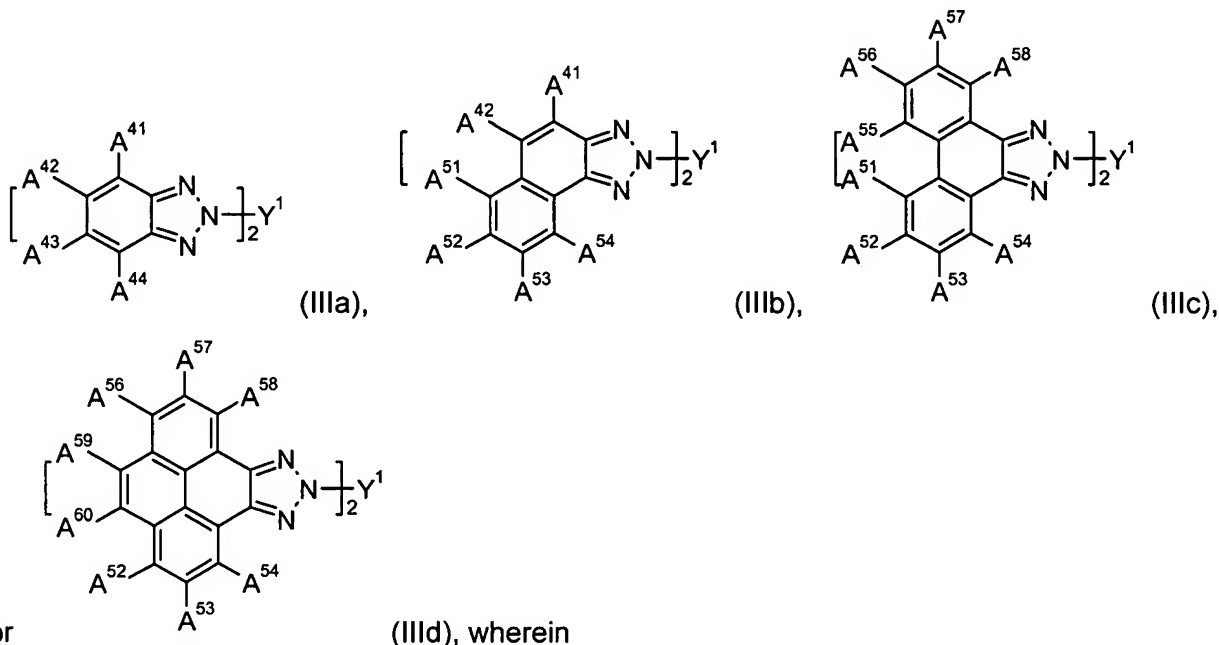
R⁶⁸ and R⁶⁹ are independently of each other C₁-C₂₄alkyl, ~~especially C₄-C₁₂alkyl, especially hexyl, heptyl, 2-ethylhexyl, and octyl~~  which can be interrupted by one or two oxygen atoms,

R⁷⁰, R⁷¹, R⁷², R⁷³, R⁷⁴, R⁷⁵, R⁷⁶, R⁹⁰, R⁹¹, R⁹², and R⁹³ are independently of each other H, CN, C₁-C₂₄alkyl, C₆-C₁₀aryl, C₁-C₂₄alkoxy, C₁-C₂₄alkylthio, -NR²⁵R²⁶, -CONR²⁵R²⁶, or -COOR²⁷,

R²⁵ and R²⁶ are independently of each other H, C₆-C₁₈aryl, C₇-C₁₈aralkyl, or C₁-C₂₄alkyl, and

R^{27} is C_1 - C_{24} alkyl.

8. (currently amended) An electroluminescent device according to claim 2, ~~3, or 6~~ **[[.]]** wherein the 2H-benzotriazole compound is a compound of formula

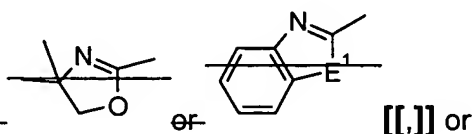


or

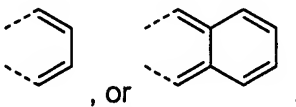
(IIId), wherein

A^{41} , A^{42} , A^{43} and A^{44} are independently of each other hydrogen, halogen, C_1 - C_{24} alkyl, C_1 - C_{24} perfluoroalkyl, C_6 - C_{18} aryl, $-NR^{25}R^{26}$, $-\text{CO}NR^{25}R^{26}$, or $-\text{COOR}^{27}$, or C_2 - C_{10} heteroaryl,

especially a group of formula



A^{42} and A^{43} are a group of formula

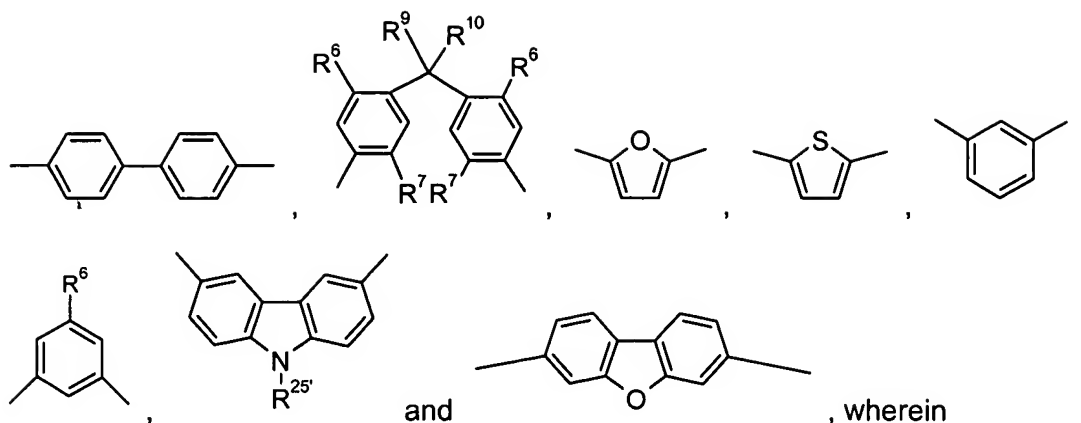


A^{51} , A^{52} , A^{53} , A^{54} , A^{55} , A^{56} , A^{57} , A^{58} , A^{59} and A^{60} are independently of each other H, CN, C_1 - C_{24} alkyl, C_1 - C_{24} alkoxy, C_1 - C_{24} alkylthio, C_6 - C_{18} aryl, $-NR^{25}R^{26}$, $-\text{CONR}^{25}R^{26}$, or $-\text{COOR}^{27}$, or C_2 - C_{10} heteroaryl, wherein

E^1 is O, S, or $-NR^{25}-$,

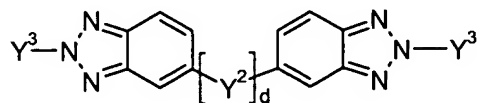
R^{25} and R^{26} are independently of each other H, C_6 - C_{18} aryl, C_7 - C_{18} aralkyl, or C_1 - C_{24} alkyl, R^{27} is C_1 - C_{24} alkyl, and

Y^1 is a group of formula

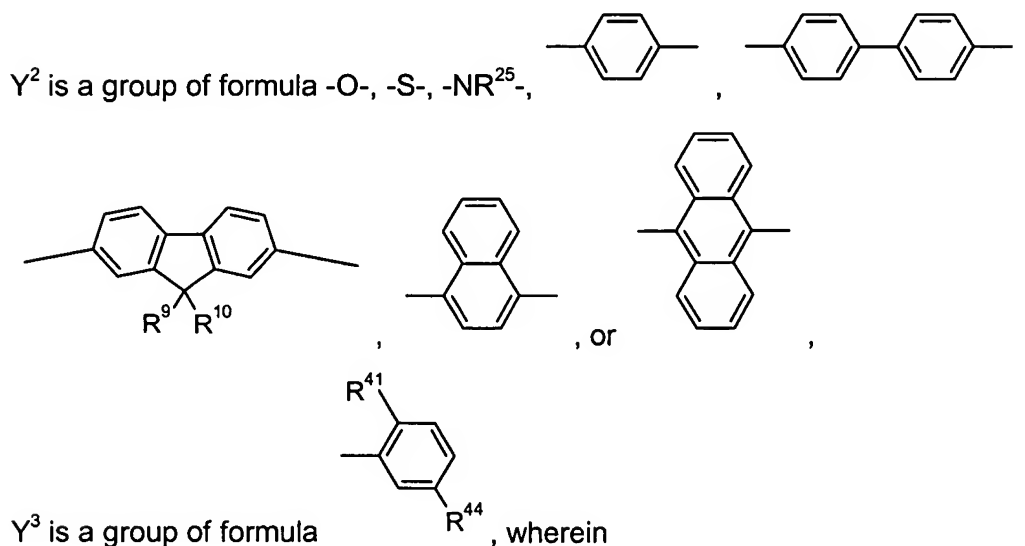


R^6 is C_1 - C_{24} alkoxy, or $-O$ - C_7 - C_{25} aralkyl, R^7 is H, or C_1 - C_{24} alkyl, R^9 and R^{10} are independently of each other C_1 - C_{24} alkyl, especially C_4 - C_{12} alkyl[[.]] which can be interrupted by one or two oxygen atoms, and $R^{25'}$ is C_1 - C_{24} alkyl, or C_6 - C_{10} aryl.

9. (currently amended) An electroluminescent device according to claim 2, ~~[[4]]~~-5 or 6[[.]] wherein the 2H-benzotriazole compound is a compound of formula



(VIa), wherein d is 0, or 1,



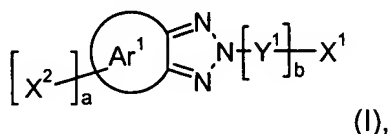
R^9 and R^{10} are independently of each other C_1 - C_{24} alkyl, ~~especially C_4 - C_{12} alkyl~~ which can be interrupted by one or two oxygen atoms,

R^{25} is H, C_6 - C_{18} aryl, C_7 - C_{18} aralkyl, or C_1 - C_{24} alkyl,

R^{41} is C_1 - C_{24} alkoxy, or C_7 - C_{15} phenylalkoxy, and

R^{44} is H, or C_1 - C_{24} alkyl.

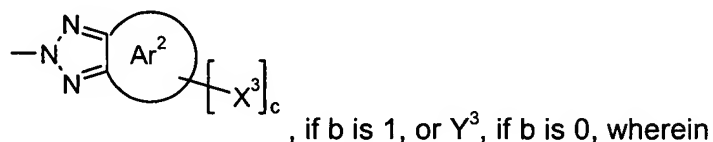
10. (currently amended) A 2H-benzotriazole compound of the formula



a is 0, or 1,

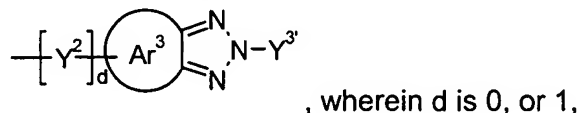
b is 0, or 1,

X^1 is a group of formula



c is 0, or 1

X^2 and X^3 are independently of each other a group of formula



Ar^1 , Ar^2 , and Ar^3 are independently of each other ~~aryl or heteroaryl, which can optionally be substituted, especially C_6 - C_{30} aryl or a C_2 - C_{26} heteroaryl, which can optionally be substituted,~~

Y^1 and Y^2 are independently of each other a divalent linking group, and

Y^3 and $Y^{3'}$ are independently of each other ~~aryl or heteroaryl, which can optionally be substituted, especially C_6 - C_{30} aryl or a C_2 - C_{26} heteroaryl, which can optionally be substituted.~~